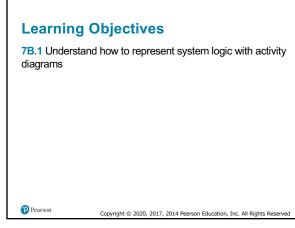


1



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## Activity Diagrams (1 of 3)

**7B.1** Understand how to represent system logic with activity diagrams

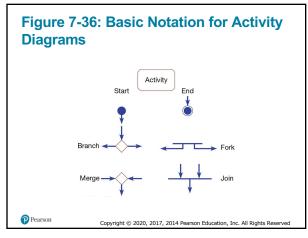
- Activity diagrams show the conditional logic for the sequence of system activities needed to accomplish a business function
  - Individual activity may be manual or automated

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- Each activity is

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## Activity Diagrams (2 of 3)

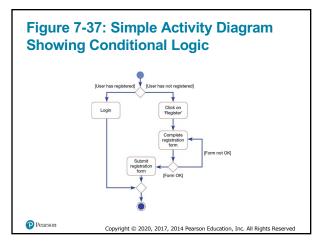
7B.1 Understand how to represent system logic with activity diagrams

- Elements of activity diagrams:
  - Activity: a rounded triangle representing a behavior carried out while in a particular state
  - Branch: a diamond symbol representing a choice that must be made
    Merge: also a diamond symbol representing where two arrows come together but only one leaves
  - Fork: a horizontal line representing where two parallel activities begin
  - Join: also a horizontal line representing where two activities come together but only one leaves
  - Swimlane: columns representing different organizational units of the system

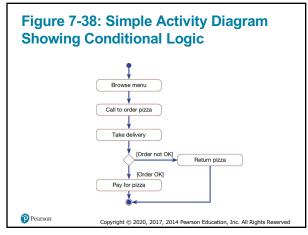
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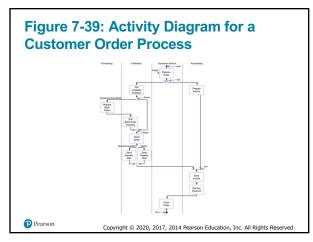








7





8

## Activity Diagrams (3 of 3)

**7B.1** Understand how to represent system logic with activity diagrams

- Use activity diagrams to:
  - Depict the flow of control from activity to activity
  - Help in use case analysis to understand what actions are needed to take place
  - Help in identifying extensions in a use case
  - Model work flow and business processes
  - Model the sequential and concurrent steps in a computation process

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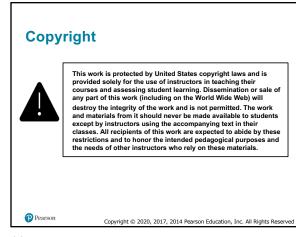
## Summary

- In this appendix you learned how to:
- Understand how to represent system logic with activity diagrams

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